

12 JUL 63

DECLASSIFIED MESSAGE

T X P SECRET

ORIG : [ ]

UNIT : C/OD/OSA

EXT : [ ]

DATE : 12 JULY 1963

TO : KWWHALE

FROM : DIRECTOR

CONF :

INFO : OSA 1-15

1 C/OD/OSA

2 OD/OSA

3 OD/OSA

4 DAD/OSA

5 AD/OSA

6 DD/R

D/FA/OSA

RB/OSA

DEFERRED

ROUTINE

PRIORITY

OPERATIONAL IMMEDIATE

INITIALS

INITIALS

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TO PRITY WHALE INFO CITE ADIC

IDEALIST

RE WHALE 038 (IN 80558)

FOR COL. GEARY FROM MR. CUNNINGHAM

DOCUMENT NO. 33

NO CHANGE IN CLASS. ☐

☐ DECLASSIFIED

CLASS. CHANGED TO: TS 2011

NEXT REVIEW DATE:

AUTH: HR 73-2

DATE: 15/9/81 REVIEWER: [ ]

0029

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1. IN RESPONSE TO YOUR REQUEST FOR PERTINENT INFO RE COMMON CONFIGURATION FOR ALL U-2 ACFT, FOLLOWING DISCUSSIONS AND FACTORS OFFERED.

2. IT MUST BE RECOGNIZED THAT U-2 ACFT CONFIGURATIONS ARE DETERMINED PRINCIPALLY BY THEIR ASSIGNED MISSION AND FACTORS WHICH MUST BE OPTIMIZED TO INSURE MAX DEGREE OF SUCCESS. AS YOU KNOW, EQUIPMENT AND VEHICLES EMPLOYED BY THIS AGENCY ARE COMMITTED PRIMARILY TO COVERT OVERFLIGHTS OF DENIED COUNTRIES, AS OPPOSED TO SAC'S PRINCIPAL MISSION OF PERIPHERAL PHOTOGRAPHY, ~~RE~~ ELINT COLLECTION

THIS FACT DICTATES NECESSITY OF EMPLOYING CERTAIN

TACTICS AND ITEMS OF HARDWARE WHICH COULD BE CONSIDERED SUPERFLUOUS

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CLASSIFIED MESSAGE  
**TOP SECRET**

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TO :  
FROM :  
CONF :  
INFO :

PAGE TWO

TO INFO CITE ADIC 0029

TO LESS CRITICAL NEEDS.

3. ALTHOUGH SOME RANGE AND SPEED PENALTIES RESULT FROM USE OF J-75 ENGINE, THIS IS ACCEPTABLE TRADE-OFF FOR THE 4,500 FEET INCREASE IN ALTITUDE ACROSS THE PROFILE REQUIRED FOR OUR MISSION. EMPLOYMENT OF AIR REFUELING IN MOST CASES MORE THAN COMPENSATES FOR MODEST REDUCTION IN RANGE. DESTRUCT SYSTEMS, SSB RECALL CAPABILITY,

50X1

REAR-VIEW MIRRORS (FOR CONTRAIL OBSERVATION)

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AND ARE ESSENTIAL TO NEEDS OF COVERT MISSION AND ARE GENERALLY CONSIDERED INSTALLED EQUIP. OTHER HARDWARE PECULIAR TO THIS ORGANIZATION'S MISSION COULD BE INSTALLED ON SHORT NOTICE, PROVIDING, OF COURSE, STANDARDIZED WIRING CONFIGURATION EXISTS.

50X1

4. WHILE I DO NOT KNOW SPECIFICALLY HOW MISSION PACKAGES ARE USED BY SAC, IT IS LIKELY THAT CONSIDERABLE AND UNDERSTANDABLE DIFFERENCE EXISTS IN AREA OF ELECTRONICS. SINCE PHOTOGRAPHY IS

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1		4					
2		5					
3		6					
				DEFERRED		PRIORITY	INITIALS
				ROUTINE		OPERATIONAL IMMEDIATE	INITIALS
PAGE THREE		OUT 11490					

TO :  
FROM :  
CONF :  
INFO :

TO INFO CITE ADIC 0029

ALWAYS OUR PRIMARY MISSION AND IS EMPLOYED ON EVERY OPERATION, ELECTRONICS COLLECTION EQUIP IS SECONDARY CAPABILITY AND IS POSITIONED IN SEVERAL NOOKS AND CRANNIES WHICH OTHERWISE WOULD BE VACANT. SIGNIFICANCE SO FAR AS COMMONALITY IS CONCERNED IS THAT SUCH ARRANGEMENT REQUIRES UNIQUE WIRING CONFIGURATION WHICH MIGHT PRESENT PROBLEMS. IN ADDITION, IT IS POSSIBLE THAT SEVERAL OTHER INTERNAL MODIFICATIONS ON THE AIRFRAME AND ENGINE ITSELF MAY BE PECULIAR TO OUR USES. WITHOUT COMPLETE COMPARATIVE ENGINEERING STUDY BY LAC SUCH THINGS AS CONTINUOUS IGNITION AND RENDEZVOUS BEACON COME TO MIND. FOR YOUR INFO COMPREHENSIVE LIST FOLLOWS OF INSTALLED AND/OR ATTACHABLE EQUIP COMPRISING OUR ACFT CONFIGURATION:

- AN/ARC-34 UHF RADIO
- AN/ARN 59 ADF
- ARC 15F VOR
- AN/APX 6 IFF (BEING INSTALLED)

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2		5	
3		6	

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OUT 11490

PAGE FOUR

OUT 11490

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618T SSB RADIO

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ACFT DESTROYER

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ORIG :  
UNIT :  
EXT :  
DATE :

ROUTING			
1		4	
2		5	
3		6	

TO :  
FROM :  
CONF :  
INFO :

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	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

PAGE FIVE OUT 11490

TO INFO CITE ADIC 0029

AIR REFUELING  
RENDEZVOUS BEACON



CONTINUOUS IGNITION  
REAR-VIEW MIRROR  
STANDARDIZED WIRING.

50X1

5. WHILE IT IS OBVIOUSLY NOT OUR BUSINESS TO DRAW ANY CONCLUSIONS  
HEREIN WHICH WOULD BE BINDING ON AIR FORCE, IT WOULD APPEAR TO US THAT  
TIME AND EXPENSE CONNECTED WITH UPGRADING ENTIRE SAC U-2 FLIGHT TO  
PERFORMANCE STANDARDS APPROACHING THOSE OF THE U-2C AND U-2F ACFT  
WOULD BE PROHIBITIVE. PERHAPS WORKABLE COMPROMISE BENEFICIAL NOT  
ONLY TO SAC BUT TO THIS AGENCY WOULD BE CONVERSION OF MODEST NUMBER  
OF SAC ACFT TO J-75 CONFIGURATION SO THAT U. S. GOVERNMENT WOULD  
HAVE AVAILABLE TWO TYPES OF U-2'S, NEITHER OF WHICH WOULD BE IN SUCH

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PAGE SIX

OUT 11490

TO INFO CITE ADIC 0029

SHORT SUPPLY THAT EITHER THE COVERT OR OVERT MISSION WOULD BE  
JEOPARDIZED. ADEQUATE INTERCHANGE OF J-75 ARTICLES  
BOTH WAYS BETWEEN SAC AND OURSELVES COULD  
THEREBY BE ASSURED.

END OF MESSAGE

50X1

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JAMES A. CUNNINGHAM, JR.  
DAD/OSA

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